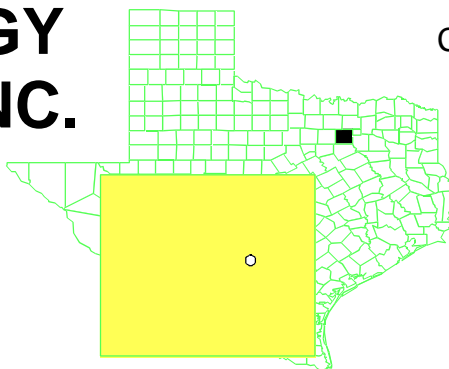


BIO-ECOLOGY SYSTEMS, INC. TEXAS

EPA ID# TXD980340889



EPA REGION 6
Congressional District 24
Dallas County
Grand Prairie

Other Names:
Bioecology

Updated: 03/31/00

Site Description

- Location:** ! 4100 E. Jefferson Blvd., Grand Prairie, Dallas County, Texas.
 ! The site is located in an industrial area.
- Population:** ! The nearest drinking water well is one mile north of site at 500 ft. depth.
 ! The site is located within 100-year floodplain of Mountain Creek.
- Setting:** ! The site area is 11.2 acres.
- Hydrology:** ! Alluvial depositions overlaying the Eagle Ford shale which is the confining zone for
 the Woodbine aquifer.
 ! Two minor ground water zones occur within the overlaying alluvium at 20 ft. and
 50 ft. below the surface.

Wastes and Volumes

- ! The principal pollutants at the Bio-Ecology site are heavy metals and volatile organics, both present in soils at an approximate concentration of 1000 ppm.
- ! The approximate volume of soils contaminated with these waste materials is 85,300 cubic yards.

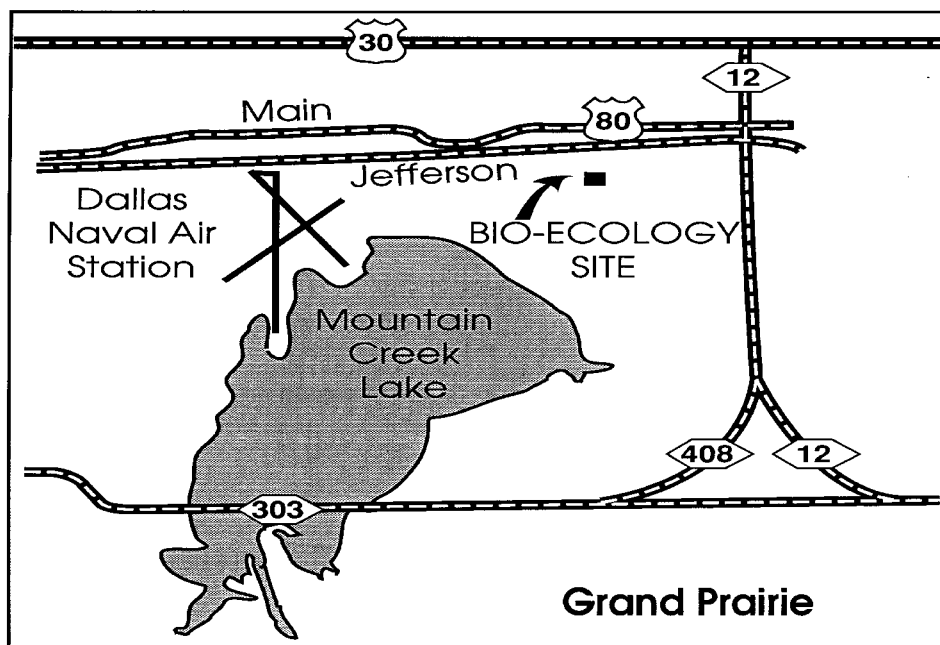
Site Assessment and Ranking

NPL LISTING HISTORY

Site HRS Score: 35.06
Proposed Date: 12/30/82
Final Date: 9/08/83
NPL Update: No. 1

- ! Bio-Ecology was one of the first sites proposed to the National Priorities List (NPL).

Site Map and Diagram



The Remediation Process

Site History:

- ! The site was a Class I industrial solid waste management facility authorized by the State of Texas in April 1972 to incinerate, chemically treat, biologically oxidate, and landfill the waste.
- ! After numerous permit violations and court orders to improve operations, the site owners took bankruptcy in June 1978.
- ! The Texas Department of Water Resources (TDWR), now the Texas Natural Resource Conservation Commission (TNRCC), conducted the Remedial Investigation and Feasibility Study from April 1982 through June 1984.
- ! EPA conducted an Interim Remedial Measure (IRM) in August 1985 and removed 15 storage tanks and surface contamination, constructed a fence, and posted warning signs to restrict access.
- ! The EPA Region 6 Acting Regional Administrator signed the Close Out Report on April 12, 1993.

Health Considerations:

- ! Slight ground water contamination detected to a depth of 50 feet.
- ! The City of Grand Prairie draws its domestic drinking water from wells within a three-mile radius of the site.

Other Environmental Risks:

! The site is located within the 100-year floodplain.

Record of Decision

Signed: June 6, 1984

! The remedy selected for the Bio-Ecology site was an onsite landfill designed to meet standards of the Resource Conservation and Recovery Act (RCRA).

Ground Water:

! Ground water in the site vicinity has not shown any significant contamination during the last several years of monitoring.

Soil Treatment:

! The contaminated soils are contained within an engineered cell designed to prevent migration of site wastes into ground water or off-site.

Other Remedies Considered

1. Stabilize waste, slurry wall 30' deep
2. Stabilize waste, slurry wall 60' deep
3. Stabilize waste, place in clay lined cell

Reason Not Chosen

Did not comply with RCRA
Did not comply with RCRA
Did not comply with RCRA

! TNRCC conducted the Remedial Design (RD) from September 1984 through May 1986, and the Remedial Action (RA) from May 1986 through April 1993.

! The site was fenced in August 1985 to limit unauthorized access.

Community Involvement

! Community outreach at this site is the responsibility of the Texas Natural Resource Conservation Commission (TNRCC).

! Community Involvement Plan: Developed 2/84

! Original Proposed Plan Fact Sheet and Public Meeting: 12/5/83

! Milestone Fact Sheets: 9/86 (RD Approval); Close-Out Report Fact Sheet 7/93

! Citizens on site mailing list: 27

! Constituency Interest: Low interest by community

! Site Repositories: 1) EPA Region 6 Library, 1445 Ross Ave., Suite 1200, Dallas, Texas 75202
2) Texas Natural Resource Conservation Commission, 12100 Park 35 Circle, Building D, Room 190, Austin, TX 78704

! Close Out Report Fact Sheet: 6/15/93

Technical Assistance Grant

- ! Availability Notice: None (Pre-SARA ROD)
- ! Letters of Intent Received: None
- ! Grant Award: N/A

Contacts

- ! Remedial Project Manager (EPA): Ruben Moya, 214-665-2755, Mail Code: 6SF-AP
- ! State Contact: (TNRCC) Emmanuel Ndam 512-239- 2494, Mail Code 143
- ! Community Involvement Coordinator (EPA): Olivia Balandrán, 214-665-6584, Mail Code: 6SF-P
- ! Attorney (EPA): Pamela Travis, 214-665-8056, Mail Code: 6SF-rp
- ! State Coordinator (EPA): Karen Bond, 214-665-6682, Mail Code: 6SF-AT
- ! Engineer: Woodward-Clyde Consultants (RD) & (RA) Oversight
- ! Prime Contractor: Rollins Environmental Services (RA)

Present Status and Issues

- ! Remediation of the site is complete.
- ! The immediate removal of contaminated tanks, the construction of a fence, the security measures, and subsequent long-term cleanup measures have achieved the surface and surface water cleanup goals for this site.
- ! The site currently is fenced with a grass-covered landfill encapsulating the stabilized waste material.
- ! The remedy is in the Operation and Maintenance (O&M) phase.
- ! Monitoring activities will be continued to ensure the effectiveness of the site cleanup until final deletion of the Bio-Ecology Systems, Inc. site from the NPL.
- ! A Five-Year Review report was completed by the Region on 12/5/94. The report concluded that the remedy remains protective of health and the environment and recommended continued implementation of the O&M plan for the site.
- ! The draft notice of intent to delete (NOID) has been finalized by the Region.
- ! This site was deleted from the National Priorities List on August 5, 1996 by Federal Register notice [FRL-5546-2].

Benefits

- ! 85,300 yards of waste were solidified and placed in the on-site landfill.